Course Code	Course Title	Proposed Semester
COMP 102	Programming I	1
COMP 111	Programming II	2
COMP 113	Discrete Maths	2 or 3
COMP 200	Data Structures and Algorithms	3 or 4
COMP 206	Hardware Logic and Design	2 or 3
COMP 213	Database Systems	4 or 5
COMP 220	Software Engineering	3
COMP 301	Operating Systems	4 or 5
COMP 302	Theory of Automata	4 or 5
COMP 303	Design and Analysis of Algorithms	4 or 5
COMP 311	Computer Networks	5 or 6
COMP 323	Computer Organization and Assembly Lang	4 or 5 or 6
COMP 360	Introduction to Artificial Intelligence	6
COMP 401	Ethics for computing professionals	6 or 7 or 8
COMP 405	Human Computer Interaction	4 or 5
COMP 421	Information Security	7 or 8
COMP 451	Compiler Construction	6
COMP 452	Computer Architecture	7 or 8
COMP 497	Senior Project	7 and 8
MATH 111	Calculus and Analytic Geometry	1 or 2
STAT 115	Probability and Statistics	1 or 2
CSCS 105	Basic Electronics	1 or 2
CSCS 201	Advanced Calculus	3 or 4
CSCS 202	Computational Linear Algebra	3 or 4
CSCS 203	Differential Equations	3 or 4
CSCS 320	Numerical Computing	5 or 6 or 7

Courses offered in the Department of Computing

Catalogue: Year 2014 - 2015

Core Courses					Specializations				
					Computer Science				
Core Courses	**Cr.H**	**Pre.Req/ Remarks**	**Offered in Semester** Fall /Spring /Summer	**Remarks/ (Equivalence/ Courses for)**	**Major Core Courses**	**Cr.H**	**Pre.Req**	**Offered in Semester**	**Remarks ?**
COMP 102	3	-	Fall, Spring		COMP 302	3	COMP 200	Fall	
COMP 111	3	COMP 102	Fall, Spring		COMP 303	3	COMP 200	Spring	
COMP 113	3	MATH 111 or STAT 115	Fall, Spring		COMP 323	3	COMP 111, COMP 206	Fall	
COMP 200	3	COMP 111, COMP 113	Fall, Spring		COMP 360	3	COMP 200	Spring	
COMP 206	3	MATH 101	Fall, Spring		COMP 421	3	COMP 311, STAT 115	Fall	
COMP 213	3	COMP 200	Fall, Spring		COMP 451	3	COMP 302	Spring	
COMP 220	3	COMP 111	Fall, Spring		COMP 452	3	COMP 301, COMP 323	Fall	
COMP 301	3	COMP 200, COMP 206	Fall, Spring						
COMP 311	3	COMP 301	Fall, Spring						
COMP 401	1	COMP 220	Fall, Spring						
COMP 405	3	COMP 220	Fall, Spring						
COMP 497	6	Senior	Fall, Spring						
Total	**37**					**21**			
Total Core courses Credits			**58**						
Supporting Courses (Adjusted)					**Other Requirements**				
Supporting Courses	**Cr.H**	**Pre.Req/ Remarks**	**Offered in Semester Fall /Spring /Summer**	**Remarks/ (Equivalence/ Courses for)**	**Category**	**Credits**			
MATH 111	3	Fall, Spring	MATH 101 or Inter Math	*Gen Ed Math	General Education (47-13)*	34			
STAT 115	3	Fall, Spring	MATH 111 or Inter MATH	*Gen Ed Stats	University Electives	6			
CSCS 105	4	Fall	PHYS 100 or A level PHYS	*Gen Ed Lab	Computing Electives	12			
CSCS 201	3	Spring	MATH 111						

CSCS 202	3	Fall	MATH 111						
CSCS 203	3	Spring	MATH 111						
CSCS 320	3	Spring	MATH 111	*Gen Ed CS					
Total	**22**				**Total**	**52**			

Note:
Requirements of Major: 2.0 CGPA
CGPA, or any other requirement…

Cross Listed/Discipline Courses:
COMP 113 & MATH 106
CSCS 105 & PHYS 102

Total Credits	132			?

- Specializations & Career opportunities: _____

Road Map For BS Computer Science

Freshmen year					
Fall 2014 (1st Semester)			Spring 2015. (2nd Semester)		
Course	**Credit Hr**	**Remarks/Status**	**Course**	**Credit Hr**	**Remarks/Status**
UNIV100	3		COMP 111		
PHYS 100 or CSCS 105	3		MATH 111 or COMP 113 or STAT 115		
COMP 102	3		CSCS 105 or Any Gen.Edu Course lab		
MATH 101 or MATH 111 or STAT 115	3				
Sophomore year					
Fall…….(3rd Semester)			Spring……. (4th Semester)		
COMP 113 or COMP 200	3		COMP 200 or COMP 213		
COMP 220	3		COMP 405		
COMP 206	3		COMP 323		
CSCS 203			CSCS 202		
			CSCS 201		
Junior year					
Fall….. (5th Semester)			Spring……. (6th Semester)		
COMP 213 or Computing Elec			COMP 302		
COMP 301			COMP 311		
COMP 303			COMP 451		
COMP 360			Computing Elect		
CSCS 320			COMP 401		
Senior year					
Fall ……. (7th Semester)			Spring ……..(8th Semester)		
COMP 421			COMP 497 B		
COMP 452			Computing Elec		
COMP 497 A			Computing Elec or Any Gen.Edu Course		
Computing Elec					
Total Credits:	132				